

Papilio demoleus L. (Lepidoptera, Papilionidae) in West Irian

J. J. M. MOONEN

Willem Alexandersstraat 4, 6267 AR Cadier & Keer, the Netherland

Abstract *Papilio demoleus* L. is introduced in West Irian.

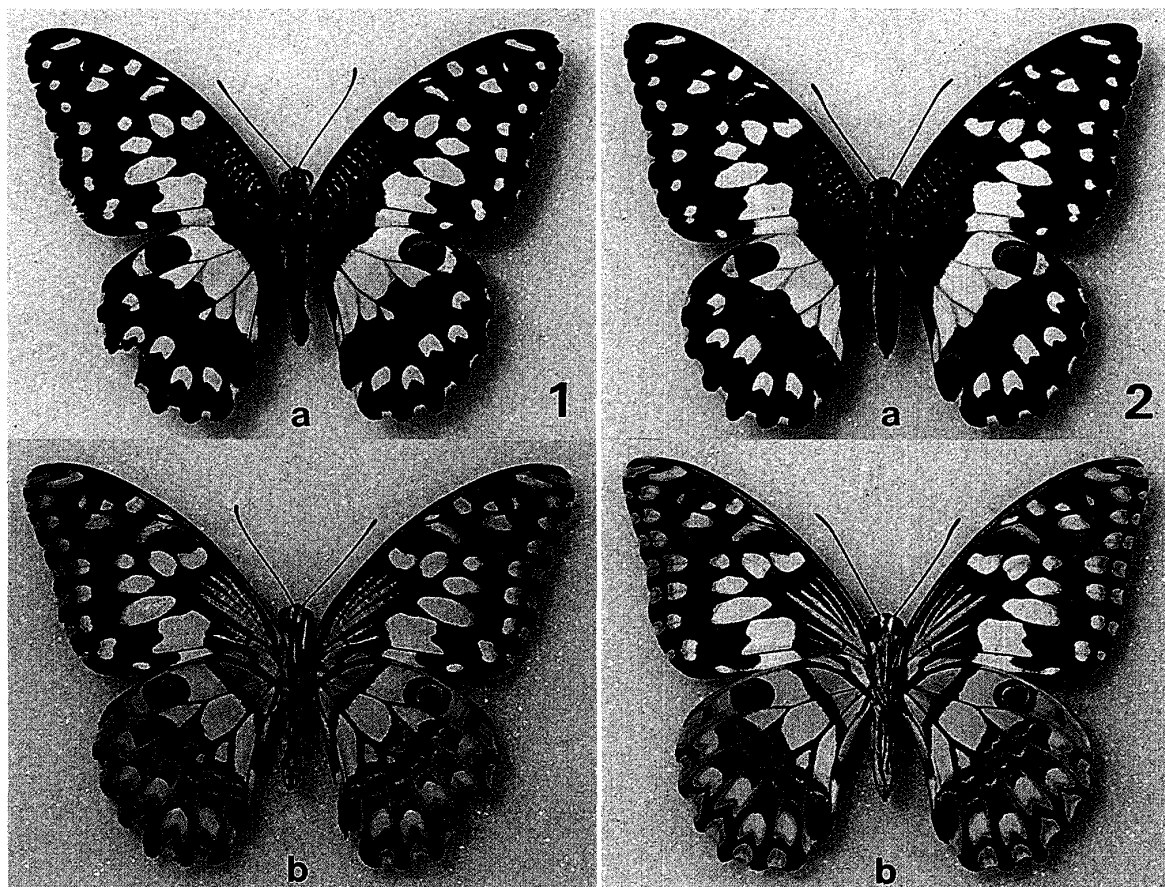
Key words Papilionidae, *Papilio demoleus*, introduction.

In October 1997 Mr Henk van Mastrigt, a lepidopterologist who lives in West Irian, wrote to me to say that *Papilio demoleus* L. had been found in West Irian for the first time along the small river Sanoba near Nabire. I received two males from there which were caught in November 1977. Mr van Mastrigt has visited that locality before, but he has never seen *P. demoleus*. Further sightings of *P. demoleus* by Mr van Mastrigt are:

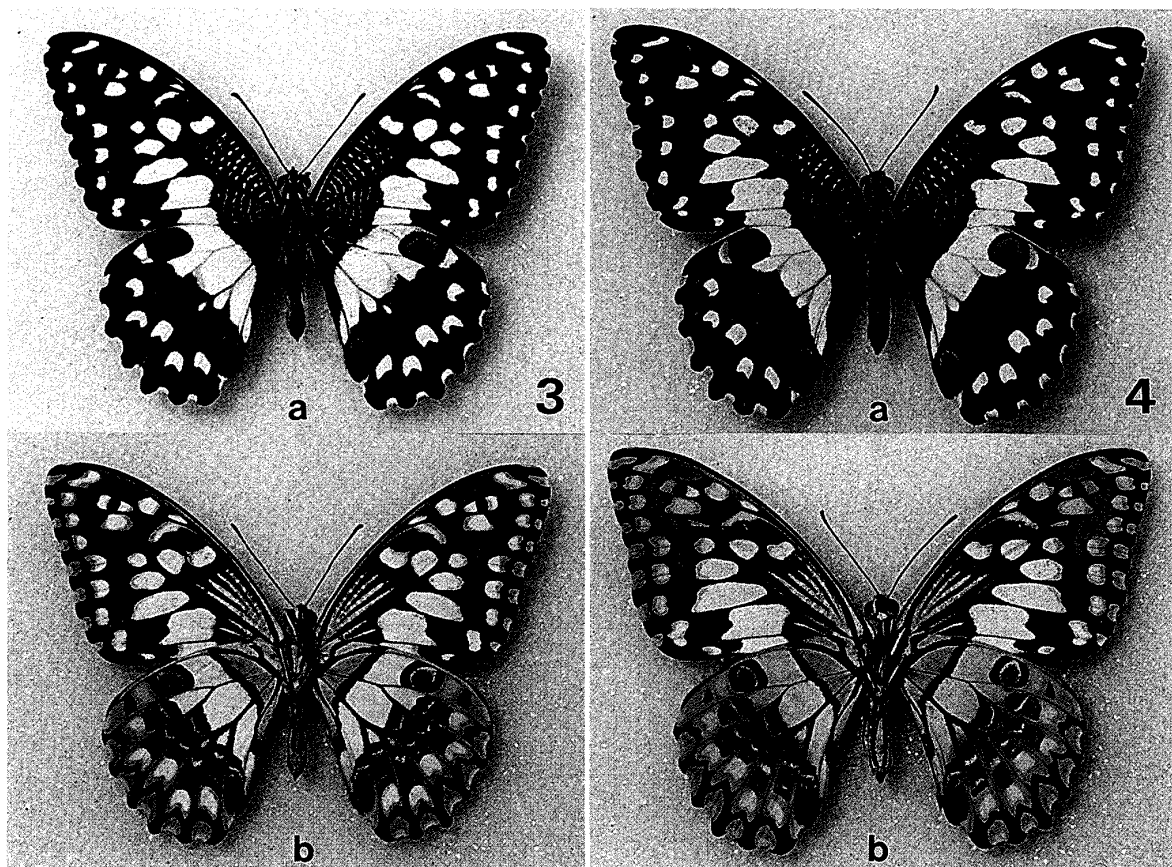
Jayapura, 25. V. 1998, 1 ♂,

Sentani, 26. V. 1998, 2 ♂; 12. VI. 1998, 2 ♂; 13. VI. 1998, 4 ♂.

After a four weeks trip abroad he has seen *Papilio demoleus* daily in Sentani in July 1998. I have received 4 specimens from Sentani.



Figs 1-2. *Papilio demoleus* ssp. 1. ♂, W. Irian, Sentani, 30. vii. 1998, H. v. Mastrigt. 2. ♀, the same place, 1. viii. 1998, H. v. Mastrigt. (a: recto, b: verso).



Figs 3-4. *Papilio demoleus* ssp. 3. ♂, Sumbawa, Dompu, xi. 1990. 4. ♀, E. Timor, Ermera, vi. 1993. (a: recto, b: verso).

The subspecific determination gives me difficulties. These specimens, closest to ssp. *malayanus* Wallace, do not exactly match with any described subspecies, but they are very like the specimens I have obtained from Sumbawa (XI. 1990) and Timor (VI. 1993) (Figs 1-4). Okano (1990) treats the Sumbawa *demoleus* as ssp. *malayanus* Wallace. I am not sure. On these islands of the Lesser Sundas, which, according to Jordan (1909: 48-49) do not belong to the range of the species, *P. demoleus* has also been introduced. Perhaps these populations are the result of a mixture of different subspecies.

Because of the abundance of Citrus trees Mr van Mastrigt is expecting a further expansion of the species in West Irian. After all it seems that *P. demoleus* is rapidly increasing its range in south east Asia and New Guinea with the unintentional help of man. Parsons (1998) does not mention any *P. demoleus* from W. Irian, but discusses *P. demoleus novoguineensis* Rothschild, which does not feed on *Citrus* sp.

Literature

- Jordan, K., 1909-1910. *Papilio* and *Armandia*. In Seitz, A. (Ed.), *Gross-Schmetterlinge der Erde* 9: 11-109, pls 1-49.
- Okano, K., 1990. Some notes on butterflies (Rhopalocera) from Lombok & Sumbawa Islands, Lesser Sunda Islands, Indonesia, with description of a new species. *Tokurana* 16 (2): 1-4.
- Parsons, M., 1998. *The Butterflies of Papua New Guinea. Their Systematics and Biology*. xvi, 736 pp., XXVI, 136 pls. Academic Press.

摘 要

西イリアンに侵入したオナシアゲハ (J. J. M. Moonen)

西イリアン在住の Henk van Mastrigt 氏より, 1997 年 10 月同地で初めてオナシアゲハが発見された旨の連絡を受け, 同年 11 月に採集された 2 頭の提供を受けた. この蝶は引き続き 1998 年も同地に発生し, Sentani では 7 月には毎日見られるようになったという. 西イリアンに発生した集団の亜種は既知のいずれにも合致しないが, Sumbawa や Timor 産に大変よく似ている. ただし, Jordan (1909: 48-49) によれば, これら両島も本来オナシアゲハの分布域には属さず, 同じく移住者である. おそらく, これらの集団はいくつかの亜種の混じり合ったものと思われる. 西イリアンでは柑橘類も豊富で, さらに分布を拡大すると予測されるが, 東南アジアやニューギニアでは, 人の手を借りることなく急速にその分布域を広げるものと思われる.

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